

ECI Workshop: Translating Cell Therapies from Lab Bench to Clinic: Manufacturing & Product Characterization

Sunday 18th January 2015, San Diego, California, USA

Chaired by: Ivan Wall, University College London

Speakers:

Jeff Chalmers, Ohio State University

Suzy Farid, University College London

Jeff Karp, Harvard Medical School

Chris Mason, University College London

Stephen Minger, GE Healthcare

James Piret, University British Columbia

Greg Russotti, Celgene

09:00 – 09:15	Introduction to Workshop Ivan Wall, University College London
09:15 – 10:15	Keynote Lecture: Cell Culture Engineering from nL Clonal Cultures to 1,000 L Bioreactor Manufacturing James Piret, University of British Columbia
10:15 – 12:30	Single-use cell expansion technologies
10:15 – 10:25	Case study introduction – cell expansion cost of goods (COG) Suzy Farid, University College London Assistants: Michael Jenkins & Tania Chilima, UCL
10:25 – 10:40	Case study round-table group work – Pros/cons of technologies
10:40 – 11:40	Case study round-table group work – Scale and COG analysis
11:40 – 12:25	Case study presentations and discussion
12:25 – 12:30	Case study wrap-up Suzy Farid, University College London

- 12:30 – 13:00 **Engineering parameters for bioreactor scale-up**
Jeff Chalmers, The Ohio State University
- 13:00 – 14:00 Lunch and Networking
- 14:00 – 16:40 **Product characterization and delivery**
Round-table sessions chaired by
Chris Mason, University College London
- 14:00 – 14:40 **Defining product critical quality attributes (CQAs)**
Ivan Wall, University College London
- 14:40 – 15:20 **QbD for cell therapy manufacture**
Greg Russotti, Celgene
- 15:20 – 15:30 Coffee break
- 15:30 – 16:10 **Cell imaging for in-process assessment**
Stephen Minger, GE Healthcare
- 16:10 – 16:50 **Targeted stem cell delivery**
Jeff Karp, Harvard Medical School
- 16:50 – 17:00 **Wrap-up and feedback forms**
Ivan Wall, University College London
- 18:00 – 20:00 ECI conference registration and reception